



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline—1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

RECEIVED

Revision 4
04/18/07

AUG 30 2007

Please see instructions on page 4 before filling out the form.

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE A Q PROGRAM**GENERAL INFORMATION**

Company Name:	STP CONCRETE CO, INC		
Facility Name:		Facility ID No:	NEW FACILTY
Brief Project Description:	NEW PORTABLE CONCRETE BATCH PLANT WITH GENERATOR		
Mailing Address:	PO BOX 452		
City:	EMMETT	State:	IDAHO
Zip Code:	86317	County:	GEM
General Nature of Business & Products:	READY MIX CONCRETE		

Contact Name, Title:	STEVEN ST.PIERRE		
Phone:	208-887-2025	Cell:	208-573-6564
Email:	STPCONCRETE@AOL.COM		

Owner or Responsible Official Name, Title:	STEVEN ST.PIERRE		
Phone:	208-887-2025		
Email:	STPCONCRETE@AOL.COM		

Proposed Initial Plant Location:	18400 HORSESHOE BEND RD 83714		
Nearest City:	EAGLE	Estimated Startup Date:	SEPTEMBER 28, 2007
County:	ADA		

Reason for Application:	<input checked="" type="checkbox"/> Permit to construct a new source <input type="checkbox"/> Permit to operate an existing unpermitted source <input type="checkbox"/> Permit to modify/revise an existing permitted source (identify the permit below) Permit No.: EXEMPTION APPLICABILITY DETERMINATION, NEW FACILITY Issue Date: Facility ID:
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☐ Check here to indicate you would like to review a draft permit prior to final issuance.

Comments: NEW PORTABLE TRUCK MIX PLANT. TRUCK MIX LOADOUT HAS AUTOMATIC BOOT ENCLOSURE.
ESTIMATED GENERATOR OPERATING HOURS BASED ON 15,000 cy/yr / 30 cy/hr = 500 hrs/yr

CONCRETE BATCH PLANT INFORMATION**1. Concrete Batch Plant**

Manufacturer:	STEPHENS	Model:	DC COLT PORTABLE #8563-07
Manufacture Date:	04-07		
Maximum Hourly Throughput:	70 (cy/hour)		
Maximum Daily Throughput:	1,680 (cy/day)		
Maximum Annual Throughput:	613,200 (cy/year)		
Requested Annual Throughput:	15,000 (cy/year)		

2a. Cement Storage Silo Baghouse No. _____

Manufacturer:	STEPHENS	Model:	SV 170
Stack Height from Ground:	63 (ft)	Exit Air Flow Rate:	900/1000 (acfm)
Stack Inside Diameter:	3X3 (ft)	* PM₁₀ Control Efficiency:	99.6 / 1 MICRON (%)
* Manufacturer Grain Loading Guarantee:	0 GRAINS WITH CONTROLLED DEVICE		
* Attach manufacturer's PM ₁₀ control efficiency if available.			

2b. Cement Storage Silo Baghouse No. _____

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM₁₀ Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM ₁₀ control efficiency if available.			

2c. Cement Supplement (such as flyash) Storage Silo Baghouse No. _____

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM₁₀ Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM ₁₀ control efficiency if available.			

2d. Cement Supplement (such as flyash) Storage Silo Baghouse No. _____

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM₁₀ Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM ₁₀ control efficiency if available.			

3. Weigh Batchers Baghouse(s)

Manufacturer:	STEPHENS	Model:	SV 20
Stack Height from Ground:	15 (ft)	Exit Air Flow Rate:	AMBIENT AIR (acfm)
Stack Inside Diameter:	1X2.4 (ft)	* PM₁₀ Control Efficiency:	99.6 / 1 MICRON (%)
* Manufacturer Grain Loading Guarantee:	0 GRAIN WITH CONTROLLED DEVICE		
* Attach manufacturer's PM ₁₀ control efficiency if available.			

ELECTRICAL GENERATOR SET INFORMATION (if applicable)

Manufacturer:	MQ POWER		Model:	WHISPERWATT D7A70SSJU	
Maximum Rated Capacity:	40	<input type="checkbox"/> Hp	<input checked="" type="checkbox"/> kW		
Fuel Type:	<input type="checkbox"/> Gasoline <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane				
Maximum Fuel Usage Rate:	1.0	<input checked="" type="checkbox"/> gal./hr.	<input type="checkbox"/> cfh		
Maximum Daily Hrs. of Operations:	10 (hours/day)				
Maximum Annual Hrs. of Operations:	500 (hours/year)				
Stack Parameters:	Stack Height from Ground (ft): <u>6FT3IN</u>		Stack Exhaust Flow Rate (acfm): <u>487</u>		
	Stack Inside Diameter (ft): <u>2.75IN</u>		Stack Exhaust Gas Temperature (°F): <u>979</u>		

ADDITIONAL GENERATOR (if applicable)

Manufacturer:			Model:		
Maximum Rated Capacity:		<input type="checkbox"/> Hp	<input type="checkbox"/> kW		
Fuel Type:	<input type="checkbox"/> Gasoline <input type="checkbox"/> Diesel <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane				
Maximum Fuel Usage Rate:		<input type="checkbox"/> gal./hr.	<input type="checkbox"/> cfh		
Maximum Daily Hrs. of Operations:	(hours/day)				
Maximum Annual Hrs. of Operations:	(hours/year)				
Stack Parameters:	Stack Height from Ground (ft): _____		Stack Exhaust Flow Rate (acfm): _____		
	Stack Inside Diameter (ft): _____		Stack Exhaust Gas Temperature (°F): _____		

☐ \$1,000 PTC application fee enclosed
Certification of Truth, Accuracy, and Completeness (by Responsible Official)

I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.



Responsible Official Signature

PROJ

Responsible Official Title

08-30-07

Date

STEVEN ST. PIERRE

Print or Type Responsible Official Name

Instructions for Form CBP

PTC APPLICATION OVERVIEW

This application is for the construction and operation of portable and stationary concrete batch plants in all areas of Idaho except any nonattainment area. Nonattainment areas are identified on the DEQ website at www.deq.idaho.gov/air/data_reports/monitoring/nonattainment_map.pdf. If you are planning to locate in a nonattainment area, please call the Air Permit Hotline at 1-877-5PERMIT prior to submitting an application.

PTC APPLICATION INSTRUCTIONS

Please fill in the same company name, facility name (if different), facility ID number, and brief project description as on Form CS. This is useful if application pages are separated.

1. **Application.** Complete the attached PTC application. In items 2a – 2d (page 2), please be sure to:
 - Fill in the number or name of each baghouse in the space provided (example: Cement Silo Baghouse No. 1 or Cement Supplement Silo Baghouse No. South).
 - Copy the page if you need additional spaces. For example, if you have more than two cement silo baghouses or more than two cement supplement silo baghouses. These are numbered 2a – 2d; please renumber appropriately if you copy the page to add additional baghouses.
2. **Portable Equipment Relocation Form.** Complete the Portable Equipment Relocation Form (PERF). An electronic copy of the PERF can be obtained from the DEQ website at www.deq.idaho.gov/air/permits_forms/forms/ptc_relocation.doc for Word format).
Important note: In addition to being submitted with this PTC application, a PERF must also be completed and filed at DEQ at least 10 days in advance of relocating any of the equipment covered in this application.
3. **Fees.** In accordance with the *Rules for the Control of Air Pollution in Idaho* (IDAPA 58.01.01.224 and .226), DEQ cannot process this application unless it is accompanied by a one thousand dollar (\$1,000) application fee. If the purpose of this permit is to change the name or ownership of the holder of a PTC when DEQ determines no other review or analysis is required, the application fee is waived. The rules can be accessed at adm.idaho.gov/adminrules/rules/idapa58/58index.htm.
4. **Mail.** Please mail the completed PTC application and PERF form (on CD if possible), and the \$1,000 application fee to the address below. The processing of this PTC application cannot commence without payment.

Air Quality Program Office – Application Processing
Department of Environmental Quality
1410 North Hilton
Boise, ID 83706-1255

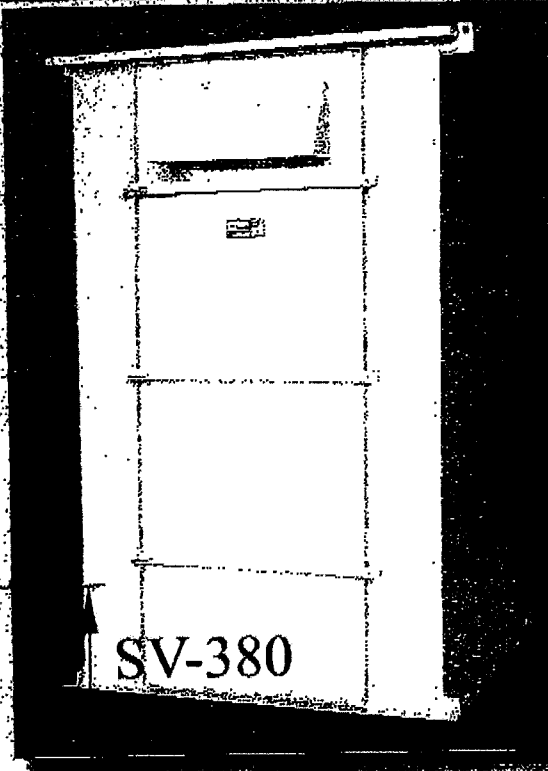
STEPHENS FILTER VENTS

Provide highly effective dust control for cement, fly-ash, and other granular materials.

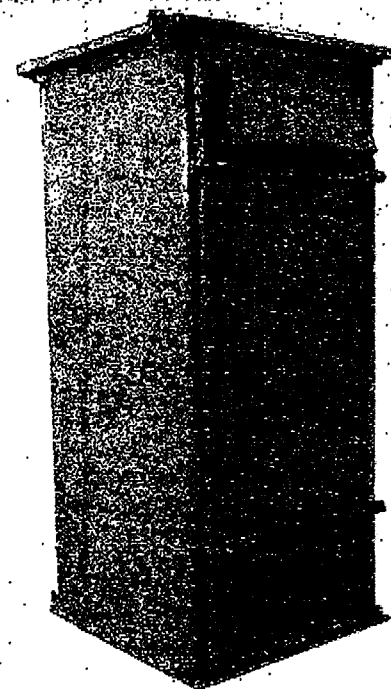
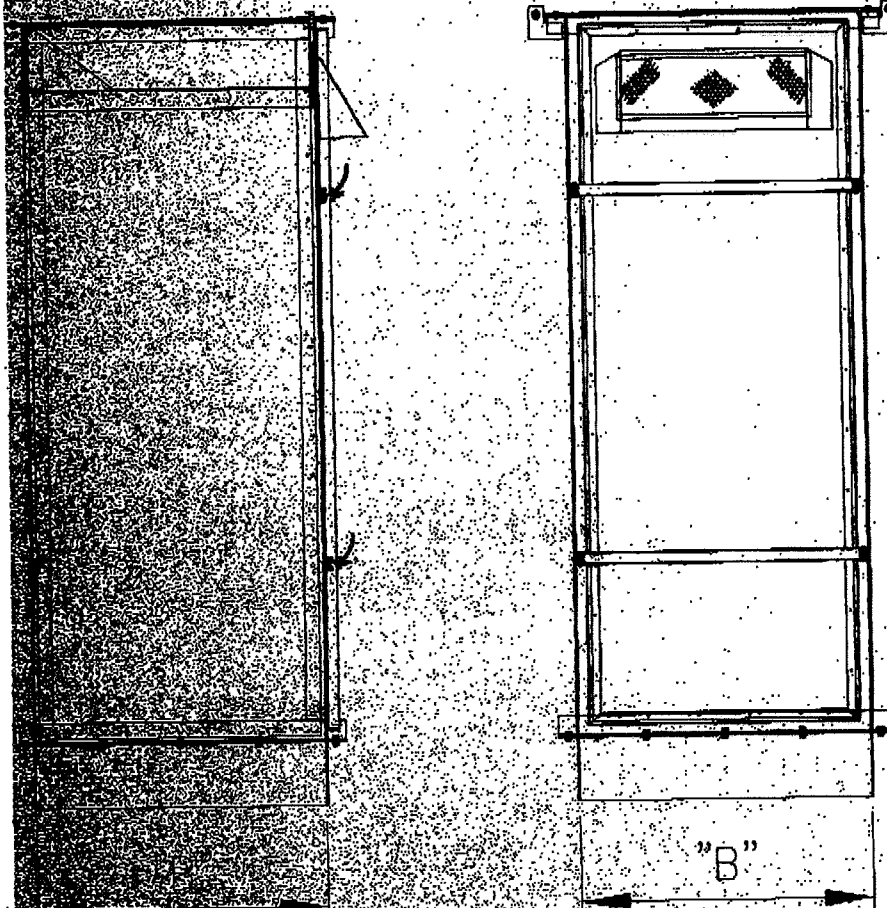
HIGH DENSITY FILTER BAGS of Polyester/Dacron fibers trap 99.6% of moving dust particles, allowing the release of clean air into the atmosphere. Valuable materials are then recycled for reuse.

VENT HOUSING is of a high quality steel and the full length access door allows for easy maintenance and service of bags.

ACCESSORIES are available for all units. Call (800) 626-0200 for complete information.

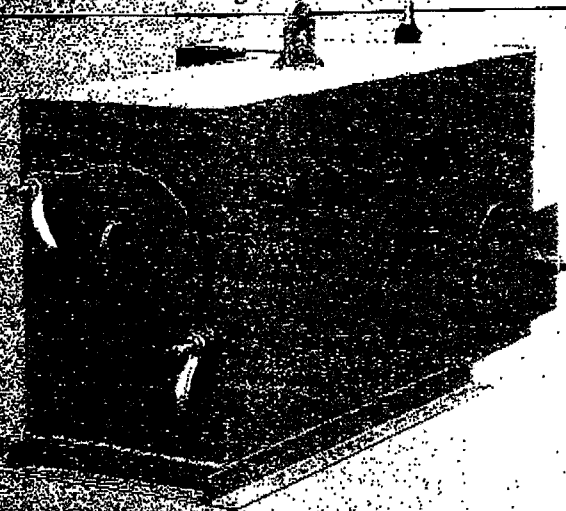


SV-380

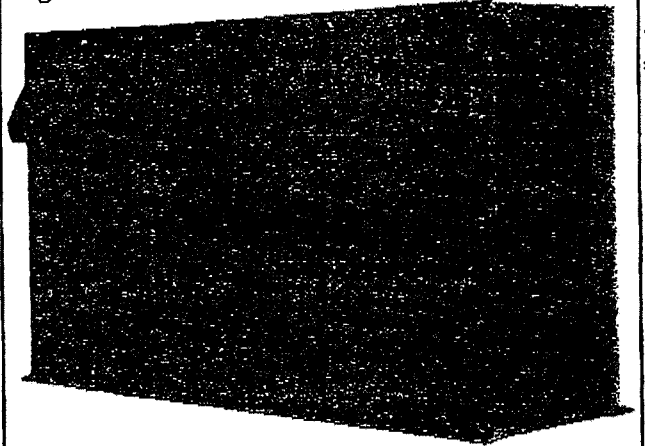


MODEL NO.	NO. OF BAGS	BAG SIZE	CLOTH AREA	APPROX. WT.	DIM "B"	DIM "A"
SV-170	16	Ø7" X 72"	170 SQ. FT.	750 LBS.	36"	99"
SV-265	25		265 SQ. FT.	875 LBS.	44 3/4"	99"
SV-380	36		380 SQ. FT.	1,000 LBS.	53 3/8"	101 1/2"

Stephen's Weigh Batcher Filter Vents are an efficient means of collecting dust particles and preventing them from being discharged into the atmosphere during the batching process. Particles accumulated are recycled and discharged back into the weigh batcher.

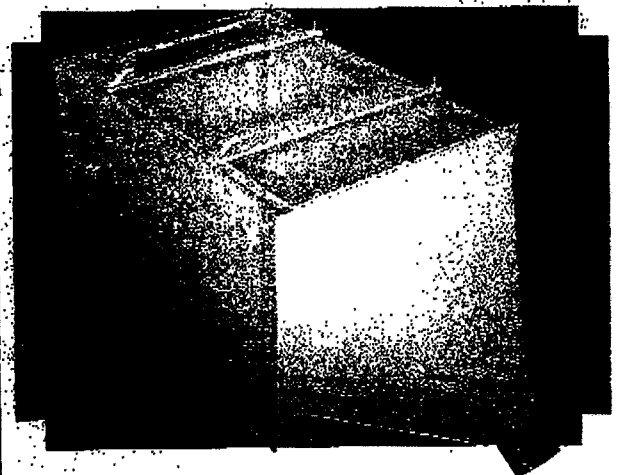
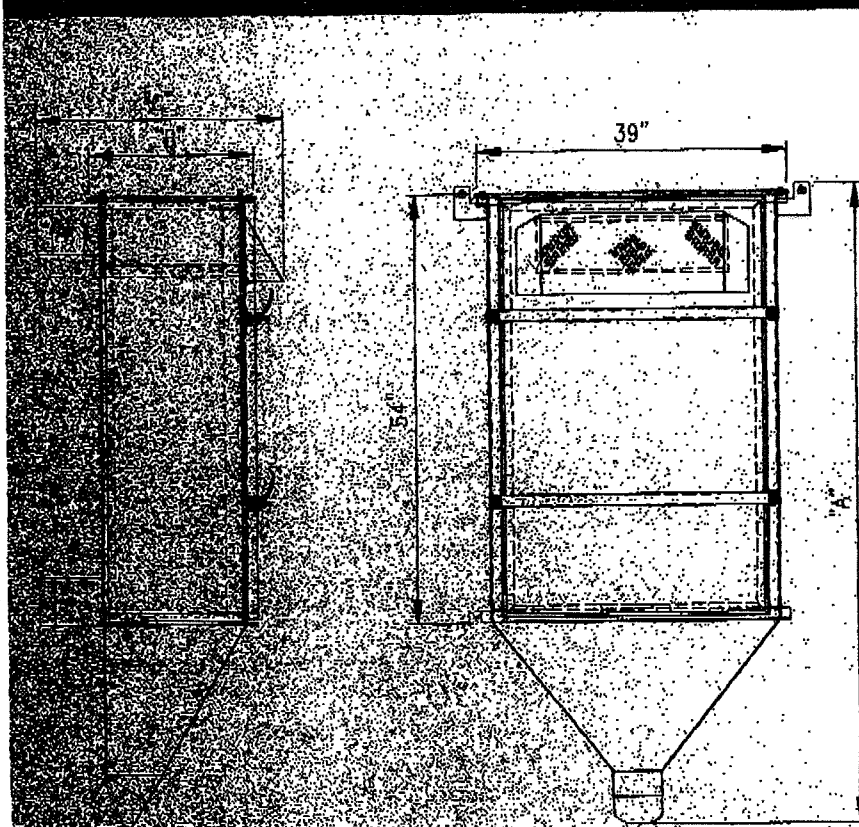


SV-20 BATCHER VENT mounts on top of Cement Batcher. The filtration process occurs when displaced air is forced through bags and clean air is pulled through the bags when the batcher discharged.



(Dimensions are 23" H, 37" L, 15" W.
The unit weighs approximately 115 Lbs.)

SV-50 (Cartridge Type) weigh batcher filter vent, vent mounted on top of Cement Batcher. It contains one replaceable cartridge that is cleaned by pulse air. No tools required to replace cartridge. Cartridge replacement is quick and easy.
(Dimensions: 19-5/8" H x 46-3/4" L x 20-3/8" W).



The SV-45 and SV-65 Vents mount on the side of the silo with flexible 6" diameter hose connecting the vent to the Cement Batcher. The bags are cleaned by a 1/3 HP single phase motor that is activated when the batcher gate opens.